



VirtuWatt™ Where megawatts meet megabytes.™

VirtuWatt™ helps you manage your **energy consumption** right from your desktop or mobile device.



With a click of a mouse, VirtuWatt™ allows you to access all vital usage and load information quickly and intuitively.

VirtuWatt™ is an online application that makes it easy to monitor energy usage and schedule load curtailments for load response programs. VirtuWatt™ connects directly to your energy meter to provide real-time power usage information. VirtuWatt™ also links you to your independent system operator (ISO), so bidding load in synchronized, day-ahead, and real-time markets is a quick and easy process.

VirtuWatt™ provides pricing information and monitors energy consumption levels, while allowing you to reduce costs by effectively managing your energy usage. VirtuWatt™ allows you to maximize the benefits of Automated Demand Response (ADR) and helps identify demand reduction strategies at critical times.

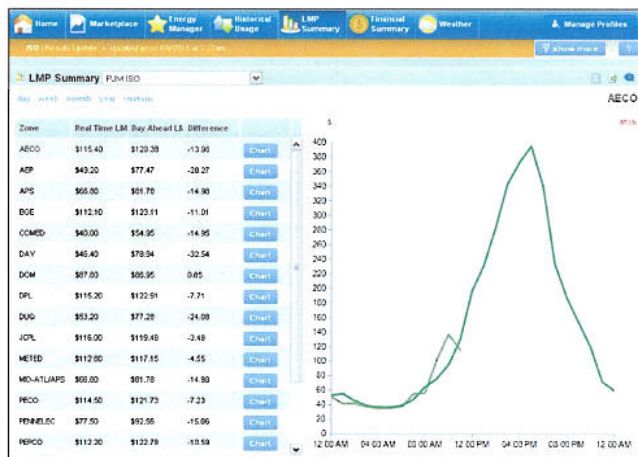
Constellation Energy's VirtuWatt™ works to provide market insight and streamline processes to improve the effectiveness and efficiency of your business.

With VirtuWatt™, you don't have to call your Curtailment Service Provider (CSP) to make a bid or wait for your monthly utility bill to check your energy usage. With a sleek design, an intuitive interface, and direct controls, VirtuWatt™ puts you in the driver's seat by giving you the information and functionality you need to manage your energy.

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**A valuable tool for
optimizing demand
response technologies.**

VirtuWatt™ is easily integrated with other technologies, like pricing information and automated demand response systems, to provide you with the resources you need to increase the efficiency of your energy management.



Print or export the data you need.

Take advantage of pricing information.

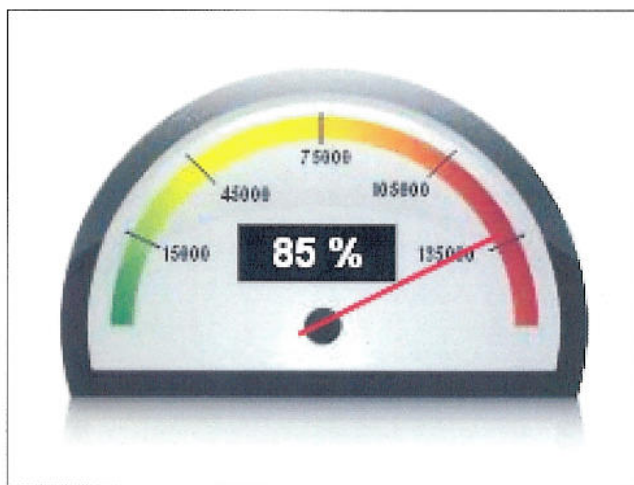
VirtuWatt™ provides energy pricing information that we can combine with real-time consumption data coming directly from your utility to easily calculate costs and make educated curtailment decisions.

- Companies that purchase electricity with Index or Block & Index plans can take advantage of pricing information to adjust bids and usage.
- Companies impacted by high wholesale electricity prices due to supply contracts can reduce costs by responding to real-time pricing information.
- Companies with the ability to adjust their load profile through activities such as pre-cooling can reduce costs by responding to pricing information.

Optimize automated demand response systems.

Automated Demand Response (ADR) systems use existing building control infrastructure and web services to provide companies with the ability to change load schedules and usage based on automated notification signals. With VirtuWatt™, you get the information you need to pre-program effective strategies. VirtuWatt™ integrates real-time metering and other smart grid technologies, to maximize the benefits of ADR.

- Companies in both regulated and deregulated markets can use VirtuWatt™ to automatically respond to price changes and/or grid conditions.
- ADR systems allow companies to efficiently address issues such as grid reliability and emergency response.
- ADR systems streamline the settlement process and create EnergyResponsive Buildings.™



View real-time grid data in simple, graphical form.

Constellation Energy (NYSE: CEG) is a leading competitive supplier of power, natural gas and energy products and services for homes and businesses across the continental United States. It owns a diversified fleet of generating units, totaling approximately 12,000 megawatts of generating capacity, and is a leading advocate for clean, environmentally sustainable energy sources, such as solar power and nuclear energy. The company delivers electricity and natural gas through the Baltimore Gas and Electric Company (BGE), its regulated utility in Central Maryland. A FORTUNE 500 company headquartered in Baltimore, Constellation Energy had revenues of \$14.3 billion in 2010.

Sustainable Star is a national provider of gas and electricity in competitive markets in the U.S. and also offers an integrated portfolio of services that lead to strategic energy management. Sustainable Star's team of experts has over 20+ years of experience in large scale data collection, in-depth data analytics, along with building actionable dashboards and systems integration. Additionally, the company is a certified minority business enterprise (MBE), helping customers meet diversity goals.



VirtuWatt™

VirtuWatt Energy Manager™

Participation in Load Response has just gotten easier with Constellation Energy!

Constellation's VirtuWatt Energy Manager™ offers you a level of sophistication to precisely control discreet equipment. Energy Manager communicates with control and building automation systems in your facilities to make intelligent, refined changes to operating parameters—reducing demand while minimizing the impact to your operations. Through the VirtuWatt Energy Manager™ you have the capability to remotely:

Gain Insight into Facility Operations and Consumption

- Proactively monitor and adjust your current energy consumption and load profile in real time
- Watch your building respond to demand-response events live to improve performance and protect projected payments
- Discover non-traditional strategies of participation, by isolating individual loads, equipment “duty-cycling,” “load shifting” and “hold-off” deployments

React Quickly to Changing Energy Markets

- Track and respond to real-time pricing to better manage energy costs
- Easily participate in economic programs for additional revenue

Effectively Utilize New and Existing Resources

- Monetize existing physical assets and control systems while improving overall operations
- Minimize the need for manual response—Dispatch local generators and other assets from central, easily accessible command center

Automate your facility's variable operations such as temperature set-points, lighting, and more

- Create and run custom curtailment scenarios anytime to meet individual objectives, such as cost avoidance strategies or better building management
- Send notifications via VirtuWatt to your email, browser, and/or phone when an event is called

Constellation's commitment to provide end-to-end energy management capabilities ensures you are well positioned to take advantage of rapidly changing energy markets. Our position as a competitive energy supplier gives us an exceptional range of capabilities and reach. VirtuWatt Energy Manager™ extends this unique market position to provide you with energy management solutions that take your facilities and your business into the future.

Want to learn more?

For more details on these and other products, please call 888.635.0827 to speak with a Constellation Business Development Manager, send an email to loadresponse@constellation.com, or visit constellation.com.

